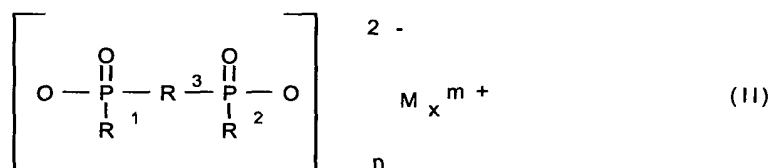
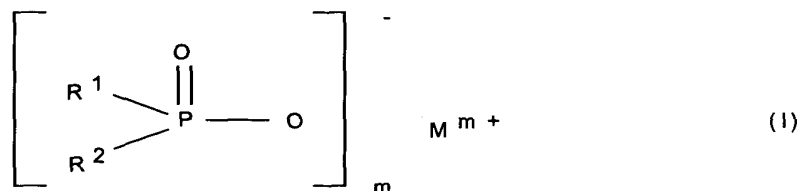


## Abstract of the Disclosure

The invention relates to surface-modified phosphinic salts of the formula (I) and/or diphosphinic salts of the formula (II) and/or polymers of these,



where

$\text{R}^1$  and  $\text{R}^2$  are identical or different and are  $\text{C}_1$ - $\text{C}_6$ -alkyl, linear or branched, and/or aryl;

$\text{R}^3$  is  $\text{C}_1$ - $\text{C}_{10}$ -alkylene, linear or branched,  $\text{C}_6$ - $\text{C}_{10}$ -arylene, -alkylarylene, or -arylalkylene;

$\text{M}$  is Mg, Ca, Al, Sb, Sn, Ge, Ti, Zn, Fe, Zr, Ce, Bi, Sr, Mn, Li, Na, K, and/or a protonated nitrogen base;

$m$  is from 1 to 4;

$n$  is from 1 to 4;

$x$  is from 1 to 4,

wherein the phosphinic salts and/or diphosphinic salts, or their polymers, have been encapsulated with a surface layer composed of a synthetic resin or a wax, and to a process for their preparation, and to their use as flame retardants for thermoplastic and thermoset polymers.